417. In various implementations, the method **500** further includes displaying a virtual shadow of the virtual object on the virtual floor.

[0078] In various implementations, the obfuscation area occupies the entire display. For example, in FIG. **4**G, the avatar **422** is surrounded by a virtual world **440** that occludes the wall **416** and all other real objects of the scene. In various implementations, the obfuscation area that occupies the entire display is a masking region, blurring region, dimming region, or portal region.

[0079] In various implementations, displaying the CGR environment includes displaying, on the display, a representation of the scene. Various focal conflict resolutions can be performed on a device with an opaque display. For example, applying a blurring region can be performed on a device with an opaque display by displaying a representation of the scene blurred in the blurring region. Further, various focal conflict resolutions can be performed on a device with a transparent display. For example, displaying a masking region can be performed on a device with a transparent display by displaying the masking region surrounding the virtual object.

[0080] While various aspects of implementations within the scope of the appended claims are described above, it should be apparent that the various features of implementations described above may be embodied in a wide variety of forms and that any specific structure and/or function described above is merely illustrative. Based on the present disclosure one skilled in the art should appreciate that an aspect described herein may be implemented independently of any other aspects and that two or more of these aspects may be combined in various ways. For example, an apparatus may be implemented and/or a method may be practiced using any number of the aspects set forth herein. In addition, such an apparatus may be implemented and/or such a method may be practiced using other structure and/or functionality in addition to or other than one or more of the aspects set forth herein.

[0081] It will also be understood that, although the terms "first," "second," etc. may be used herein to describe various elements, these elements should not be limited by these terms. These terms are only used to distinguish one element from another. For example, a first node could be termed a second node, and, similarly, a second node could be termed a first node, which changing the meaning of the description, so long as all occurrences of the "first node" are renamed consistently and all occurrences of the "second node" are renamed consistently. The first node and the second node are both nodes, but they are not the same node.

[0082] The terminology used herein is for the purpose of describing particular implementations only and is not intended to be limiting of the claims. As used in the description of the implementations and the appended claims, the singular forms "a," "an," and "the" are intended to include the plural forms as well, unless the context clearly indicates otherwise. It will also be understood that the term "and/or" as used herein refers to and encompasses any and all possible combinations of one or more of the associated listed items. It will be further understood that the terms "comprises" and/or "comprising," when used in this specification, specify the presence of stated features, integers, steps, operations, elements, and/or components, but do not preclude the presence or addition of one or more other features, integers, steps, operations, elements, components, and/or groups thereof.

[0083] As used herein, the term "if" may be construed to mean "when" or "upon" or "in response to determining" or "in accordance with a determination" or "in response to detecting," that a stated condition precedent is true, depending on the context. Similarly, the phrase "if it is determined [that a stated condition precedent is true]" or "if [a stated condition precedent is true]" or "when [a stated condition precedent is true]" may be construed to mean "upon determining" or "in response to determining" or "in accordance with a determination" or "upon detecting" or "in response to detecting" that the stated condition precedent is true, depending on the context.

What is claimed is:

1. A method comprising:

at a device including one or more processors, non-transitory memory, and a display:

capturing, using the image sensor, an image of a scene including a real object in a particular direction at a first distance from the device; and

displaying, on the display, a computer-generated reality (CGR) environment including a virtual object in the particular direction at a second distance from the device;

wherein, in accordance with a determination that the second distance is less than the first distance, the CGR environment includes the virtual object overlaid on the scene; and

wherein, in accordance with a determination that the second distance is greater than the first distance, the CGR environment includes the virtual object with an obfuscation area that obfuscates at least a portion of the real object within the obfuscation area.

2. The method of claim **1**, wherein the obfuscation area surrounds the virtual object.

3. The method of claim **1**, wherein the obfuscation area includes a blurring region that blurs the portion of the real object within the blurring region.

4. The method of claim **1**, wherein the obfuscation area includes a dimming region that dims the portion of the real object within the dimming region.

5. The method of claim **1**, wherein the obfuscation area includes a masking region that occludes the portion of the real object within the masking region.

6. The method of claim **1**, wherein the obfuscation area includes a portal region that displays a virtual world over the portion of the real object within the portal region.

7. The method of claim **6**, wherein the virtual world includes a virtual floor.

8. The method of claim **7**, wherein the virtual floor is coplanar with a real floor of the scene.

9. The method of claim **7**, further comprising displaying a virtual shadow of the virtual object on the virtual floor.

10. The method of claim **1**, wherein the obfuscation area occupies the entire display except for the virtual object.

11. The method of claim **1**, wherein displaying the CGR environment includes displaying, on the display, a representation of the scene.

12. A device comprising:

an image sensor;

a display;

a non-transitory memory; and